

Appl No 10/099,894
Amdt dated on November 21, 2003
Preliminary Amendment

Amendment to the Claims:

Please amend the claims as follows:

1. (currently amended) A method for providing information services to a wireless device roaming in a wireless system, comprising the steps of:

monitoring a wireless system for~~receiving~~ normal network message traffic information;

intercepting the normal network message traffic information from the monitored wireless system;

extracting roamer information from the normal network message traffic information; and

identifying a roaming wireless device from the extracted roamer information; and
selecting a message to be transmitted to the roaming wireless device ~~based on the extracted roamer information.~~

2. (currently amended) The method of Claim 1, wherein the step of monitoring a wireless system for~~receiving~~ normal network message traffic information comprises tapping a connection between a Visitor~~Visitors'~~ Location Register and a Mobile Switching Center in the wireless system.

3. (currently amended) The method of Claim 1, wherein the step of intercepting ~~the~~~~receiving~~ normal network message traffic information from the monitored wireless system comprises receiving a copy of one or more messages transmitted between a Visitor~~Visitors'~~ Location Register and a Mobile Switching Center.

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4. (currently amended) The method of Claim 1, wherein the step of intercepting ~~thereceiving~~ normal network message traffic information from the monitored wireless system comprises obtaining the normal network message traffic information in messages received from a Visitor-Visitors' Location Register and responses made to inquiries directed to a Mobile Switching Center and the Visitor-Visitors' Location Register.

5. (currently amended) The method of Claim 1, wherein the step of monitoring a wireless system for ~~receiving~~ normal network message traffic information comprises using an IS-41 monitoring device to monitor IS-41 traffic ~~and extracting roamer information messages~~.

6. (currently amended) The method of Claim 1 wherein the extracted roamer information comprises an Electronic Serial Number ESN, a first Mobile Identification Number MIN-1, a second Mobile Identification Number MIN-2, and a System Identification Designation NumberSID of the wireless device's home network.

7. (currently amended) A method for providing information services to a wireless device roaming in a wireless system, comprising the steps of:

obtaining normal network message traffic information from the wireless system,

and transmitting the normal network message traffic information to a
protocol converter;

in the protocol converter, extracting roamer information from the normal network
message traffic information, and

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converting the roamer information into a protocol analyzer format;
transmitting a query to a Mobile Switching Center requesting information
regarding the wireless device's serving cell;
receiving information regarding the wireless device's serving cell;
combining the information regarding the wireless device's serving cell with the
converted roamer information to form a roamer trigger;
transmitting the roamer trigger to a protocol analyzer;
in the protocol analyzer, extracting specific information pieces regarding the
wireless device;
transmitting the extracted specific information pieces to a data interpreter;
in the data interpreter, translating the specific information pieces into format
needed to determine a message to be sent to the wireless device; and
transmitting the specific information pieces to a [[the]] message selection and
delivery system.

8. (currently amended) The method of Claim 7, wherein the step of obtaining normal network message traffic information comprises tapping a connection between a Visitor~~Visitors~~¹ Location Register and a Mobile Switching Center in the wireless system.

9. (currently amended) The method of Claim 7, wherein the step of obtaining normal network message traffic information comprises receiving a copy of messages transmitted between a Visitor~~Visitors~~¹ Location Register and a Mobile Switching Center.

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10. (currently amended) The method of Claim 7, wherein the step of obtaining normal network message traffic information comprises obtaining the normal network message traffic information in messages received from a Visitor~~Visitors~~² Location Register and responses made to inquiries directed to a Mobile Switching Center and the Visitor~~Visitors~~² Location Register.

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11. (currently amended) The method of Claim 7, wherein the step of obtaining normal network message traffic information comprises using an IS-41 monitoring device to monitor IS-41 traffic and ~~extracting roamer information messages.~~

12. (original) The method of Claim 7, wherein the wireless device is a cellular telephone.

13. (original) The method of Claim 7 further comprising causing the system to choose a message to transmit to the wireless device based on the specific information pieces and transmitting the message to the wireless device.

14. (new) The method of Claim 5, wherein the step of extracting roamer information from the normal network message traffic information comprises using the IS-41 monitoring device to extract roamer information from the normal network message traffic information.

15. (new) The method of Claim 11, wherein the step of extracting roamer information from the normal network message traffic information comprises using the IS-41 monitoring device to extract roamer information from the normal network message traffic information.